## **NEW CLAIMS**

Use of derivatives of general formula (I):

$$R_3$$
 $N$ 
 $O$ 
 $R_1$ 
 $O$ 
 $R_2$ 
 $O$ 
 $R_1$ 

in which:

- a) R<sub>1</sub> is chosen from the group comprising hydrogen, linear or branched, saturated or unsaturated C1-C10 alkyl, C3-C7 cycloalkyl or C7-C10 arylalkyl;
- b) Y is chosen from the group comprising:
- b1. hydrogen;
- b2. a group of formula

 $-R_a-M$ 

in which -R<sub>5</sub>- is a saturated, linear or branched C2-C6 alkylene radical and M is chosen from the group comprising -NH2, acylamine, -NHR6, -NR4R5, -®NR4R5R6Z, which may be identical or different, and R4, R, and R6, which may be identical or different, can be C1-C7 alkyl, alkenyl or arylalkyl radicals or R4 and R5 can form a cycloalkyl radical optionally containing hetero atoms such as -O- and -NR<sub>12</sub>-, in which R<sub>12</sub> is chosen from hydrogen and an alkyl, aralkyl or hydroxyalkyl radical preferably chosen from -CH3,

-C2H5, -CH2-C6H5 and -CH2CH2OH and Z is as defined below;

b3. a group of formula

in which R, is a saturated or monounsaturated, linear or branched C1-C10 alkyl radical, or a

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cycloalkyl, arylalkyl or heterocyclic radical optionally substituted with one or more -OH, -COOH, -SO<sub>2</sub>H, -NH<sub>2</sub>, -NHR<sub>6</sub>, -NR<sub>6</sub>R<sub>5</sub>, -\*NR<sub>6</sub>R<sub>5</sub>R<sub>6</sub>Z groups, which may be identical or different, the said groups R<sub>4</sub>, R<sub>5</sub> and R<sub>6</sub>, which may be identical or different, being chosen from the group comprising C1-C7 alkyl, alkenyl and aralkyl radicals, or R<sub>4</sub> and R<sub>5</sub> can form a cycloalkyl radical which can comprise one or more hetero atoms such as -O- and -NR<sub>12</sub>-, in which R<sub>12</sub> is chosen from hydrogen and an alkyl, aralkyl or hydroxyalkyl radical preferably chosen from -CH<sub>3</sub>, -C<sub>2</sub>H<sub>5</sub>, -CH<sub>2</sub>-C<sub>6</sub>H<sub>5</sub> and -CH<sub>2</sub>CH<sub>2</sub>OH and Z is as defined below.

b4. a -PO3H2, -SO3H, or -P(OH)2 group,

b5. a monosaccharide residue linked by an α- or

β- glycoside bond,

b6. a group of formula

O R<sub>10</sub>

in which R<sub>10</sub> is a linear or branched, saturated or unsaturated C1-C10 alkyl or alkenyl radical, or a cycloalkyl or aralkyl radical optionally containing from 1 to 5 identical or different hetero atoms chosen from -S-, -O- and -N-, and optionally substituted with one or more -OH, -NH<sub>2</sub>, -NH-CO-CH<sub>3</sub>,

-COOH, >C=O, H2N-CO-NH-, NH=C(NH2)-NH-, \NO2, -OCH3,

-Cl, -Br, -F, -J, -OPO<sub>3</sub>H<sub>2</sub>, -OPO<sub>2</sub>H<sub>2</sub>, -OSO<sub>3</sub>H, -OSO<sub>3</sub>H, -SH, -SCH<sub>3</sub>, -S-S-, -NHR<sub>6</sub>, -N R<sub>4</sub>R<sub>5</sub>, 
<sup>e</sup>NR<sub>4</sub>R<sub>5</sub>R<sub>6</sub>Z groups, which may be identical or different, in which R<sub>4</sub>, R<sub>5</sub> and R<sub>6</sub>, which may be identical or different, can be C1-C7 alkyl, alkenyl or aralkyl radicals or R<sub>4</sub> and R<sub>5</sub> can form a cycloalkyl radical comprising one or more hetero atoms such as -O- and -NR<sub>12</sub>-, in which R<sub>12</sub> is chosen from hydrogen and an alkyl, aralkyl or hydroxyalkyl radical preferably chosen from -CH<sub>3</sub>, -C<sub>2</sub>H<sub>5</sub>, -CH<sub>2</sub>-C<sub>6</sub>H<sub>5</sub> and -CH<sub>2</sub>CH<sub>2</sub>OH and Z is as defined below.

- c) R<sub>3</sub> is chosen from the group comprising hydrogen and linear or branched alkyl;
- d) R is:
- dl. carboxyl, -COOR, saturated or unsaturated cycloalkyl, polycyclic alkyl, aryl, heteroaryl,

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arylalkyl or C1-C35 alkyl, which is saturated or unsaturated with 1 to 6 double bonds, linear or branched and unsubstituted or substituted with one or more residues chosen from the group comprising carboxyl, COOR, hydroxyl, alkoxy, O-acylhydroxy, ketoalkyl, nitro, halo, -SH, alkylthio, alkyldithio, amino, mono- and dialkylamino, N-acylamino,

-NR<sub>4</sub>R<sub>5</sub>R<sub>5</sub>Z<sub>7</sub>, in which R<sub>4</sub>, R<sub>5</sub> and R<sub>6</sub>, which may be identical or different, are chosen from the group comprising C1-C7 alkyl, C1-C7 alkenyl and arylalkyl and Z can be the anion of a biologically compatible inorganic or organic acid preferably chosen from hydrochloric acid, sulphuric acid, phosphoric acid, methanesulphonic acid, benzenesulphonic acid,

p-toluenesulphonic acid, acetic acid, succinic acid, fumaric acid, lactic acid, gluconic acid, citric acid, gluconic acid, maleic acid and benzoic acid;

d2. a group of formula

$$-R_2$$
 $R_3$ 
 $R_3$ 
 $R_4$ 

in which R<sub>1</sub>, R<sub>2</sub> and Y have the meanings given above and R<sub>2</sub> can be a single bond or a linear or branched, saturated or unsaturated C1-C34 alkylene radical containing from 1 to 6 double bonds, a saturated or unsaturated cycloalkylene radical, an anyl, aralkyl or heterocyclic diradical, which is unsubstituted or substituted with one or more residues chosen from the group comprising carboxyl, -COOR<sub>7</sub>, hydroxyl, alkoxy, O-acylhydroxy, alkylketo, nitro, halo, -SH, alkylthio, alkyldithio, amino, mono- and dialkylamino, N-acylamino, saturated or unsaturated cycloalkyl, aryl and heteroaryl;

in which R<sub>7</sub> is a linear or branched C1-C20 alkyl group or an aralkyl group, enantiomers and diastereoisomers of the compounds of formula (I) and mixtures thereof, salts of the compounds of formula (I) with pharmaceutically acceptable acids and bases, and solvates thereof, for the preparation of a medicinal product for the treatment of pathologies characterised by a high degree of cellular and tissue hyperreactivity mediated by supramaximal levels of nerve growth

factor and that can be advantageously treated by a peripheral CB1 receptor activator, such pathologies being not rheumatoid arthritis, A-375 melanoma, HeLa and HL-60 carcinomas.

- Use according to Claim 1, in which:
  - R<sub>1</sub> is methyl;
- Y is hydrogen or a saccharide group chosen from D- and L-ribose, D- and L-glucose, D- and L-glucose, D- and L-glucose, D- and L-glucosamine, D-galactosamine, D-mannosamine, glucuronic acid, sialic acid, N-acetyl-D-glucosamine, N-acetyl-D-galactosamine, N-acetyl-D-mannosamine; or aminoethyl, dimethylaminoethyl, trimethylaminoethyl; or methylcarbonyl, phenylcarbonyl, pyridinocarbonyl, trimethoxyphenylcarbonyl, hemisuccinoyl, aminopropyl-carbonyl, dimethylaminomethylcarbonyl, trimethylaminomethylcarbonyl, sulphonophenylcarbonyl; or phosphate, sulphonate; or ethyloxycarbonyl, benzyloxycarbonyl, isobutyloxycarbonyl, dimethylaminopropyloxycarbonyl, trimethyl-aminoethyloxycarbonyl;
  - R<sub>3</sub> is hydrogen.
- 3. Use according to Claim 1 or 2, in which R or R<sub>2</sub>, together with the terminal -CO- groups to which they are attached, are, respectively, mono or diacyl radicals of an acid chosen from the group comprising palmitic acid, arachidonic acid, oxalic acid, fumaric acid, maleic acid, azelaic acid, succinic acid, traumatic acid, muconic acid, cromoglycolic acid, malic acid, tartaric acid, aspartic acid, glutamic acid and oleic acid.
- 4. Use according to Claims 1 to 3, in which the said compound of formula (I) is chosen from:
- N-(4-hydroxy-3-methoxybenzyl)oleylamide;
- N-(4-hydroxy-3-methoxybenzyl)palmitoylamide;
- N-(4-hydroxy-3-methoxybenzyl)arachidonoylamide;
- N,N'-bis(4-hydroxy-3-methoxybenzyl)nonanediamide.
- 5. Use according to Claims 1 to 4, wherein the pathologies to be treated are selected from:
  - peripheral, somatic and autonomic neuropathies;
  - multiple sclerosis;

- hypertrophic and cheloid cicatrization;
- psoriasis;
- urticaria and urticaria-apgioedema syndrome;
- chronic inflammation of gastrointestinal mucosae;
- pathologies mediated by hyperreactivity of the vaginal and vulvo-vaginal canals;
- bronchial asthma;
- arthritis;
- pathologies mediated by hyperreactivity of the bladder mucosa.
- 6. Use according to Claims to 4, for the preparation of a medicinal product with antiproliferative activity on tumours which are dependent on the presence of the prolactin receptor.
- 7. Use according to Claim 6, in which the said tumours are breast tumour and prostate carcinoma.
- 8. Use according to Claims 1 to 5, in combination with a compound with agonist activity on the CB2 receptor of cannabinoids.
- 9. Use according to Claim 6 or 7, in combination with a compound with agonist activity on the CB2 receptor of cannabinoids.
- 10. Use according to Claim 8 or 9, in which the said molecules with agonist activity on the CB2 receptor of cannabinoids are ALIAmides.
- 11. Compounds of formula (I) as defined in Claim 1, with the condition that Y is a saccharide group and that, when R is  $C_7$ - $C_{12}$  alkyl or alkenyl,  $R_1$  is not methyl.
- 12. Compounds according to Claim 11, in which the said saccharide group is chosen from D- and L-ribose, D- and L-glucose, D- and L-glucose, D- and L-mannose, D-fructose, D- and L-glucosamine, D-galactosamine, D-mannosamine, glucuronic acid, sialic acid, N-acetyl-D-glucosamine, N-acetyl-D-galactosamine and N-acetyl-D-mannosamine.
- 13. Process for preparing the compounds of the formula (I) according to Claims 11 or 12, comprising a step of coupling a monosaccharide residue with a compound of the formula (I), with the condition that Y is a saccharide group and that, when R is  $C_7$ - $C_{12}$  alkyl or alkenyl,  $R_1$  is not methyl, in which Y is hydrogen, in the presence of a glycosylation promoter.

- 14. Process according to Claim 13, in which the said glycosylation promoter is chosen from the group comprising silver sulphate, silver carbonate, silver perchlorate, silver salicylate, silver trifluoromethanesulphonate, SnCl\_/AgClO<sub>4</sub>, BiCl<sub>3</sub>/AgClO<sub>4</sub> and SbCl<sub>3</sub>/AgClO<sub>4</sub> mixtures, optionally combined with iodosobenzene, tin(II) trifluoromethanesulphonate, trifluoromethanesulphonic acid, N-iodosuccinimide combined with trifluoromethanesulphonic acid, trimethylsilyl trifluoromethanesulphonate or boron trifluoride ether.
- 15. Pharmaceutical compositions comprising one or more compounds according to Claims 11 or 12, mixed with pharmaceutically acceptable excipients.
- 16. Pharmaceutical compositions according to Claim 15, in which the compounds are present in micronized form or comicronized form with one or more pharmaceutically acceptable excipients.
- 17. Pharmaceutical compositions comprising one or more compounds of the formula (I) as defined in Claim 1, in combination with a compound which has agonist activity on the CB2 receptor of cannabinoids and with pharmaceutically acceptable excipients.
- 18. Pharmaceutical composition according to Claim 17, in which the said compounds with agonist activity on the CB2 receptor of cannabinoids are ALIAmides.
- 19. Pharmaceutical compositions according to Claim 17 or 18, in which the compounds are present in micronized form or comicronized form with one or more pharmaceutically acceptable excipients.
- 20. Kit for simultaneous, sequential or separate administration, comprising one or more compounds of formula (I), as defined in Claim 1, and a compound with agonist activity on the CB2 receptor of cannabinoids, in suitable pharmaceutical formulations.
- 21. Kit according to Claim 20, in which the compounds are present in micronized form or comicronized form with one or more pharmaceutically acceptable excipients.